69783-55 ENT(m)/EPF(n)/EVP(n)/T RPL MV/RM UR/0020/65/162/002/0364/036	5
AUTHOR: Amerik, Yu.B.; Krentsel', B.A.; Shishkina, M. V.	
TITLE: Effect of the application of strong electrostatic fields in the course of the polymerization of methyl methacrylate on the structure of the polymer formed SOURCE: AN SSSR. Doklady, v. 162, no. 2, 1965, 364-365	
TOPIC TAGS: polymethylmethacrylate, polymer structure, polymerization,	
TOPIC TAGS: polymethylmethacrylate, polymes butwoodly, Fig.	
ABSTRACT: In a recent article, Yu. B. Amerik, B. A. Krentsel, and M. V. Shishkina briefly review several non-Soviet studies on the preparation of poly(methyl methacrylate) (PMMA) mainly of predetermined structures (syndiotactic, isotactic, isotactic-syndiotactic block copolymers).	
The authors question the conclusion of F. A. Boyey that there is no difference between the activation entropies for syndiotactic and isotactic monomer placement and that this placement is solely determined by the	
Card 1/5	• • • • • • • • • • • • • • • • • • •

	ACCESSION NR: AP5013756 difference in the activation enthalpies for propagation of these structures. To demonstrate the role of activation entropy in the structural formation of PMMA, methyl methacrylate (MMA) was polymerized in bulk and in toluene solution in strong electrostatic fields (10 ⁴ —10 ⁵ v/cm) in special reactors. Benzoyl peroxide (1 mol%) was used as initiator. The structure of PMMA formed was determined from its glass temperature (T) and from the values of an arbitrary parameter J. Calculations of J-values were based on equations provided by W. E. Goode** and calculated from IR spectra. Polymerization conditions and values for Tg and J obtained in electrostatic fields with different intensities are given in Table 1. Comparison of these data with the Tg and J values given by Goode in Table 2 below indicates that: 1) polymerization in strong electrostatic fields yields PMMA with an increased percentage of syndiotactic structure; and 2) electrostatic fields affect the structure of PMMA to a lesser degree in toluene solution than in bulk.	
The state of the s	Card 2/5	

Table 1	Polymerizatio	n conditions and	values	
Polymerization temperature, °C	Field inten- sity, v/cm	Glass temper- ature, °C	Infrared J value	
		merization		
50 50	0.0	106 106	101 97	
50	2.0×10^4	110	107	
50 50	2.5×10^{4} 4.0×10^{4}	111 113	106 ' 112	
		lymerization		
50	0.0	108	103	
50	0.0	107	103	
· 50	6.0×10^{4}	112	106 107	
50 40	6.0×10^4 7.0×10^4	112 113	107	

ACCEPCATON	ND.	ADSO	17 3'
L 63783-65			"-
t 60700 65.			

Table 2. Properties of amorphous polymers of methyl methacrylate

Туре	Suggested chain con- figuration	Glass temp., °C	Density at 30°C, g/ml	Infrared J value
I II III	Syndiotactic Isotactic Isotactic-	115 45 60—95	1.19 1.22 1.20—1.22	100—115 25—35 40—80
Conven- tional	syndiotactic Essentially random	104	1.188	95—100

Strong electrostatic fields affect not only the polymer structure but also the MMA polymerization kinetics and the molecular weight of the polymer. The authors state that MMA polymerization in stronger electrostatic fields will yield PMMA specimens with a predominantly syndiotactic structure.

Card 4/5

L 63783-65			
ACCESSION NR: AP5013756		. 3.1	
* Bovey, F. A. Polymer NSR s tion steps in the isotactic a crylate. Journal of polymer ** Goode, W. E., F. H. Owens, Crystalline acrylic polymers.	nd syndiotactic polymerize science, v. 46, 1960, 59-6 R. P. Fellmann, W. H. Sny I. Stereospecific anion	yder, and J. E. Moore.	
methyi methacrylate. Journal		9, 1900, 311-3311	
Orig. art. has: 2 formulas, 2 ASSOCIATION: Institut neftek nauk SSSR (Institute of Petro-	himicheskogo sinteza im.	y of sciences soon, 44,55	
SUBMITTED: 03Nov64	ENCL: 00	SUB CODE: MT,GC	
NR REF SOV: OOO	OTHER: CO6	FSB v.1, no.9	

8871-66 EWT(m)/EWP(j)/T= RM ACC NR: AP5025960 44,55 SOURCE CODE: UR/0190/65/007/010/1713/1718 Amerik, V. V.; Krentsel!. B. A.; Shishkina, ORG: Institute of Petrochemical Synthesis, AN SSSR (Institut neftekhimicheskogo sinteza AN SSSR) 1,44,5 Investigation of the crotonaldehyde polymerization reaction SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 10, 1965, 1713-1718 TOPIC TAGS: aliphatic aldehyde, polymerization, catalytic polymerization, polymerization catalyst, polymerization kinetics, polymer structure ABSTRACT: The polymerization of crotonaldehyde was investigated to help elucidate the effect of the presence of different substituents on the polymerization of acrolein. Polymerizations were run with an anionic cetalyst under nitrogen atmosphere in the -80 to -60°C temperature range. Sodium methoxide and sodium naphthalene complex was shown to be an effective catalyst for polymerization on the carbonyl group. Polymerization temperature significantly affects not only the process kinetics but the structure of the polymer chain. Polymer Card 1/2 66.095.26+678.744 UDC:

0

ACC NR: AP5025960

ارد د الاساس الم

yield and polymer molecular weight increased with reduction of temperature to -10 to -20°. The content of the free aldehyde group in the polymer decreased while the CH3CH=CH- side group content increased with reduction of temperature. Maximum yield was obtained with monomer concentration of 3 mol/1. The polymer obtained was predominantly polyacetalic, molecular weight 1,000 to 10,000. The absence of CH3CH-CH= CH-O units in the polymer was established by ozonolysis. The effect of solvent on polymer yield and structure are to be studied further. Orig. art. has: 3 equations, 4 tables and 5 figures.

SUB CODE: MT, OC/ SUBM DATE: 10Nov64/ ORIG REF: 001/ OTH REF:

Card 2/2 Rolls

I. 00536-67 EWT(m)/EWP(j) IJP(c) RM _ SOURCE CODE: UR/0364/66/002/011/1332/1335 AUTHOR: Raskina, E. M.; Perekal'skaya, L. M.; Davydov, B. E.; Shishkina, M. V. ORG: Institute of Petrochemical Synthesis im. A. V. Topchiyev, Academy of Sciences SSSR, Moscow (Institut neftekhimicheskogo sinteza Akademii nauk SSSR) TITLE: Preparation and study of complexes of Schiff bases SOURCE: Elektrokhimiya, v. 2, no. 11, 1966, 1332-1335 TOPIC TAGS: organic semiconductor, semiconducting polymer, charge transfer complex ABSTLACT: Charge transfer complexes of polymeric Schiff bases and bromine have been prepared and the effect of chemical structure on the physical, chemical and electrical properties of these complexes has been studied. The polymers (I-IV) were prepared by polycondensation of p-phenylenediamine with various dicarboxylic compounds: (111) =CH-CH=CH-CHO. (1V) UDC: 621.315.592:547 Card

Card 2/3

The state of the s

L 08536-67	
ACC NR: AP6035590	
For comparative purposes, analogous low-molecular-weight compounds were also prepared:	
H-C=N-C-C=N-C-C=N-CH ₀ CH ₀ biacetyldianiline	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$O = C - C = N - C - C = O.$ $C_0 H_0 C_0 H_0 C_0 H_0 C_0 H_0 C_0 H_0 C_0 H_0$ (111^a)	
The complexes were prepared by treatment of the compounds with gaseous bromine. The results of density, x-ray-diffraction, thermal-stability, and IR and EPR spectroscopic measurements are described briefly in the source. Electrical measurements showed that for complexes of the monomeric compounds (benzalaniline, biacetyaniline,	
but not methyleneaniline), resistivity did not drop below 10 ¹¹ ohm cm. On going to the dimers II ^a and III ^a , resistivity dropped by more than six orders	

of magnitude. However, on going to the corresponding polymers, resistivity changed but little. Differences in polymer structure had a marked effect for complexes with

bromine content no	o higher tha	n 21—35%, but	t had little e	ffect at	higher bro	mine, for the
ontent. For most	complexes, t	ne activation	- chergy rout	n but ti	he reverse	was
ow-temperature reg rue in a number of ehavior of resisti	cases, e.g.	, the complex	of II (64% br terms of macro	omine). molecula	r coplanari	.ty.
rig. art. has: 0	tormnrae.					
UB CODE: 07, 20/ St	UBM DATE: 17	Nov65/ ORIG RI	EF: 003/ OTH R	EF: 004/	ATL, PRESS:	5103
• •						
	•				• .	•
· · · · · · · · · · · · · · · · · · ·	•	·		-	•	
	,	•	•	· . ·	,	
		,				-
•			•	·.		•
<i>i</i> .		• ;	•			,• •
./					•	

cerases, ver, more aparty for a minimization with a contract to the management of th

D. 1972年11月1日 11月1日 11月日 11日日 1

"In realizating the Goldring Hethod of Determining Aluminum With Aluminoles" Cana Chem Sci, Ural Polytechnic Inst, Sverdlovsk, 195%. (RZhilhim, No 6, No 8 55)

So: Sum. No 670, 29 Pept 55 - Survey of Scientific and Technical Dissertations Defended at USSN Higher Educational Institutions. (15)

137-58-6-11337

Translation from Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 93 (USSR)

AUTHORS Tsekhanskiy, M.I., Shishkina, N.I., Khusnoyarov, K.B.

TITLE Changes in the Radioactivity of Nonmetallic Inclusions in Steel
Upon Electrolysis (Izmeneniye radioaktivnosti nemetallicheskikh vklyucheniy v stali pri elektrolize)

PERIODICAL Byul. nauchno-tekhn. inform. Ural'skiy n.-i. in-t chernykh metallov, 1957, Nr 3, pp 102-108

ABSTRACT: Isotope Ca⁴⁵ was introduced into runner brick during the pouring of 500-kg ingots of rimmed steel. Specimens to be used for separation of nonmetallic inclusions (NI) by the electory to be decomposition of the carbides in the NI precipitate was done decomposition of the carbides in the NI precipitate. Preliminary with the aid of KMnO4 and ammonium persulfate. Preliminary investigation of the ratio of active refractory to various oxidizinvestigation of the ratio of active refractory to various oxidizing reactants revealed the absence of change in the activity and ing reactants revealed the absence of change in the activity and ing reactants revealed that the amount of NI resulting from destructives established that the amount of NI resulting from destruction of the refractories does not exceed 2.8%, while 46% of all tion of the refractories does not exceed 2.8%, while 46% of all the samples measured had zero activity. Measurement of the

137-58-6-11837

Changes in the Radioactivity (cont.)

activity of the NI before and after separation from the metal, and also measurement of the activity of NI mechanically separated from steel and of slags having compositions close to those of the NI (the measurement being done before and after treatment by various electrolytes) showed that the refractory does not lose its activity in the process of electrolyte treatment, while the products of its reaction with molten metal are destroyed and lose their activity, reduction in the activity of the slags under these conditions being from 519 to 421-90 impulses per min. Further treatment with electrolytes and reactants to destroy the carbides of slags taken from the surface of the metal in the mold confirmed the results obtained and showed that the loss of weight by the slag, attaining 9-18%, occurs primarily during the process of electrolysis. Bibliography. 8 references.

- 1 Steel--Production 2. Steel-Impurities 3. Carbides--Decomposition
- 4. Electrolysis--Applications 5. Refractory materials--Chemical reactions
- 4. Steel--Chemical reactions 7. Calcium isotopes (Radioactive)--Applications

Card 2/2

CIA-RDP86-00513R001549610009-6 "APPROVED FOR RELEASE: 08/23/2000

137-58-6-13873

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 380 (USSR)

Shishkina, N.I. AUTHOR:

Determination of Small Quantities of Aluminum in Steel (Opre-TITLE:

deleniye malykh kolichestv alyuminiya v stali)

Byul. nauchno-tekhn. inform. Ural'skiy n.-i. in-t chernykh PERIODICAL:

metallov. 1957, Nr 3, pp 173-182

A technique for the determination of Al in steel with alumi-ABSTRACT:

none (I) is proposed. Conditions of colorimetric analysis of Al with I are critically investigated. One g of steel is dissolved in 10 cc HCl (1:1) and oxidized with HNO3 (sp. gr. 1.40); the solution is evaporated down to 5 cc and poured into a 100-cc flask with 30 cc of 30% NaOH or KOH solution, raised up to the mark with water, and filtered. Five cc of filtrate are neutralized to phenolphtalein with HCl (1:1), 1-2 drops of HN4OH (1:1) are added until the appearance of a pink coloration, then 10 drops of 60-80% CH₃COOH, and 2 cc of 0.1% solution I are added, and the whole is brought to 100 cc with water. After one hour it is measured photometrically with a green light filter.

With up to 40) of Al in 100 cc of solution, the coloration Card 1/2

CIA-RDP86-00513R001549610009-6"

APPROVED FOR RELEASE: 08/23/2000

137-58-6-13873

Determination of Small Quantities of Aluminum in Steel

complies with Beer's Law. The results of the photometric method agree well with the data obtained by five other methods. By means of the photometric method the Al contents of 15-20 test samples of steel can be determined in one working day.

Z.G.

1. Steel--Properties 2. Aluminum--Determination 3. Steel--Colorimetric analysis

Card 2/2

AUTHORS:

Theliangkiy, L.I., Shishking, H.I., Khusnoyarov, K.B. 32-12-20/71

TITLE:

The Investigation of the Radioactivity of Mon-Metallic Impurities in Steel During Electrolysis (Izucheniye radioaktivnosti nemetallichskikh vklyucheniy v stali pri elektrolize).

PERIODICAL:

Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 12, pp. 1440-1442 (USSR)

ABSTRACT:

The present paper discusses the possibility of determining impurities in the steel melt during the work of casting by means of radioactive isotopes. For this purpose the radioactive isotope Ca45 was introduced into the refractory material of foundry equipments. From introduced into the refractory material of foundry equipments. From the cast metal block samples were taken at various places after rolling, which were investigated electrolytically as to their content of non-metallic impurities. In the same manner also the samples were taken of the radioactivated refractory material of the foundry system. It was found in this connection that, after a number of casting processes, the radioactivity of the refractory material remained unchanged, and that the non-metallic impurities of the cast metal, which were precipitated in the metal solution, showed hardly any radioactivity after electrolysis. A slight radioactivity of 1-1.6% could in this case be explained by the wear (destruction of the surface) of the radicactivated refractory material. In the same manner

Card 1/2

CIA-RDP86-00513R001549610009-6 "APPROVED FOR RELEASE: 08/23/2000

The Investigation of the Radioactivity of Neu-Metallic Imparities in Steel During Electrolysis

32-12-20/71

the film (slag) forming on the boiling metal was investigated. From the table of results it may be seen that the slags, which were specially radioactivated, passed into the solution with electrolysis and lost 20% of their radicactivity; otherwise, slags behaved in the same manner as the non-metallic imparities in the metal. The conclusion is drawn that, as may be seen from the present paper, the application of the Ca-isotope is unsuited as indicator for non-metallie impurities in metal. Statements hitherte made in publications to the effect that non-metallic impurities detectable in cast metal are only in a small degree due to the mear products of the refractory materials of foundry plants found no confirmation. There are 3 tables and & Slavic references.

ASSOCIATION: Ural'sk Scientific Research Institute for Iron Metallurgy

(Ural'skiy nauchno-issledovatel'skiy institut chernoy metallurgii).

AVAILABLE:

Library of Congress

Oard 2/2

1. Steel-Impurites-Determination 2. Electrolytic investigations

3. Radioactive isotopes-Applications

S/137/61/000/012/133/149 A006/A101

AUTHORS:

Shishkina, N.I., Tsekhanskiy, M.I., Karel'skaya, T.A.

TITIE:

The behavior of radioactive isotopes during the separation of nonmetallic impurities from steel by the method of electrolytic dis-

solving

PERIODICAL:

Referativnyy zhurnal. Metallurgiya, no. 12, 1961, 36-37, abstract 121287 ("Byul. nauchno-tekhn. inform. Ural skiy n.-1. in-t chern.

metallov", 1960, no. 8, 96 - 102)

A stable radioactive tracer was selected. Slags of six different chemical compositions were investigated; they contained Ca, Ce, W and Zr radioactive isotopes. During the separation of radioactive-isotope-containing nonmetallic impurities from the steel, and during the processing of deposits by various reagents, their components and the radioactive isotopes are dissolved. As a result the aforementioned isotopes can not be used as tracers to determine the content of non-metallic impurities in steel. It is pointed out that the

Card 1/2

The behavior of radioactive isctopes ...

S/137/61/000/012/133/149 A006/A101

existing methods of determining the amount and composition of non-metallic impurities do not yield data characteristic of the true composition of non-metallic impurities.

I. Nikitina

[Abstracter's note: Complete translation]

Card 2/2

PETROV, K.M.; DYAKONOV, V.I.; FADEYEV, I.G.; SEMENENKO, P.P.; KRYUKOV, L.G.; Prinimali uchastiye: PASTUKHOV, A.I.; SHISHKINA, N.I.; PAZDNIKOVA, T.S.; CHIRKOVA, S.N.; KAREL'SKAYA, T.A.,; LOPTEV, A.A.; DZEMYAN, S.K.; ISUPOV, V.F.; BELYAKOV, A.I.; GUDOV, V.I.; SUKHMAN, L.Ya.; SLESAREV, S.G.; GOLOVANOV, M.M.; GLAGOLENKO, V.V.; ISUPOVA, T.A.; ZYABLITSEVA, M.A.; KAMENSKAYA, G.A.; POMUKHIN, M.G.; UTKINA, V.A.; MANEVICH, L.G.

Vacuum treatment of alloyed open hearth steel. Stal' 22 no.2:113-117 F '62. (MIRA 15:2)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (for Pastukhov, Shishkina, Pazdnikova, Chirkova, Karel'skaya, Loptev, Dzemyan). 2. Metallurgicheskiy kombinat im. A.K. Serova (for Isupov, Belyakov, Gudov, Sukhman, Slesarev, Golovanov, Glagolenko, Isupova, Zyablitseva, Kamenskaya). 3. 6-y Gosudarstvennyy podshipnikovyy zavod (for Pomukhin, Utkina, Manevich). (Steel-Metallurgy) (Vacuum metallurgy)

THE REPORT OF THE PROPERTY OF

TEPLOUKHOV, Valeriy Ivanovich; SHISHKINA, N.I., retsenzent; KRYZHOVA, M.L., red. izd-va; MAL'KOVA, N.T., tekhn. red.

[Analysis of open-hearth and electric furnace slags] Analiz martenovskikh i elektropechnykh shlakov. Sverdlovsk, Metallurgizdat, 1962. 76 p. (MIRA 15:6)

TSEKHANSKIY, M.I., kand.tekhn.nauk; SHISHKINA, N.I., kand.khimicheskikh nauk; Prinimali uchastiye: KHUSNOYAROV, K.B.; KARELISKAYA, T.A.

Radiometric study of the effect of refractories on the presence of nonmetallic inclusions in steel, Stal: 22 no.1:66-67 Ja:62. (MIRA 14:12)

1. Uraliskiy nauchno-issledovateliskiy institut chernykh metallov. (Steel--Defects)
(Radioisotopes--Industrial applications)

ROMANOVA, V.S.; SHISHKINA, N.I.

Determination of cobalt by the potentiometric method. Zav.
lab. 31 no.8:945 '65. (MIRA 18:9)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov.

。 1987年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1

MICH. SALES		192
	· <u>Julius Bargaran</u> , ·	
	. हरस (fc)	
	. Jenauja	
7.	. persontive porti i domini ilan cisti passant. Miat. ibl. 33.2 03, mc. 6. 1 di	
9.	Monthly List of Russian Accessions, Library of Congress, 1953, Unclassifie	d
NI SECOLO		

SHISHKINA, N., kandidat tekhnicheskikh nauk.

Determining sausage output by the weight of dry substances. Miss.ind.
SSSR 25 no.2:31-32 '54.
(Sausages)

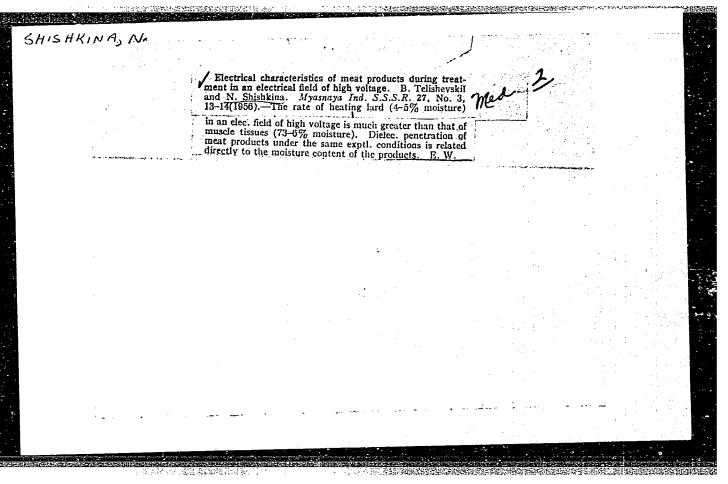
(Sausages)

LAVROVA, L.P., kandidat tekhnicheskikh nauk; LYASKOVSKAYA, Yu.N., kandidat tekhnicheskikh nauk; SHISHKINA, N.N., kandidat tekhnicheskikh nauk; DYKLOP, V.K., kandidat biologicheskikh nauk; IVANOVA, A.A., mladshiy nauchnyy sotrudnik; KALENOVA, M.S.; DUBROVINA, L.I.; POLETAYEV, T.N.

Protective coating for sausages. Trudy VNIIMP no.7:48-67 155.

(MLRA 9:8)

(Sausages) (Protective coatings)

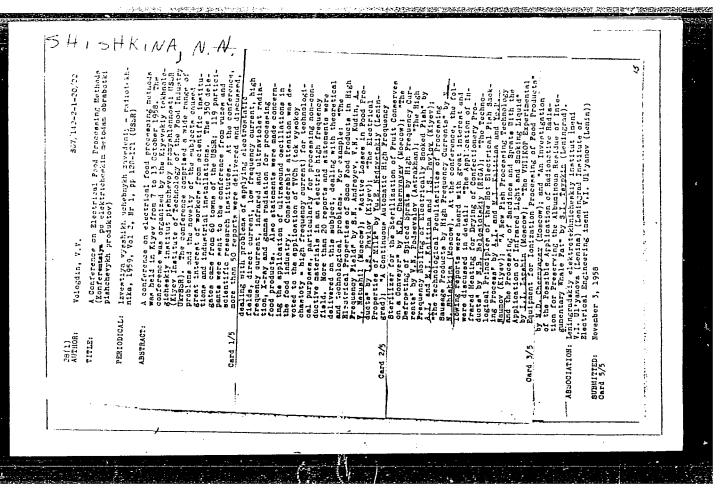


SHISHKINA, N., kandidat tekhnicheskikh nauk; KALENOVA, M., inzhener.

Production of smoked pork products. Mias.ind.SSSR 28 no.1:6-8
(MIRA 10:3)

157.

(Meat, Smoked)



SHISHKINA, N.N., kand.tekhn.nauk; SOLOV'YEV, V.I., kand.khimicheskikh nauk KURKO, V.I., kand.tekhn.nauk; DUBROVINA, L.I., mladshiy nauchnyy sotrudnik; SHCHEGOLEVA, O.P., mladshiy nauchnyy sotrudnik.

Intensified coloration of sausages cooked in an alternating electric field of high frequency, and the frying of sausages with the use of smoke solutions. Trudy VNIIMP no.9:50-62 (MIRA 13:8)

(Sausages)

SHISHKINA, N.N., kand. tekhn. nauk; ZBANDUTO, L.L., inzh.; KHOKHLOVA, Z.V., inzh.; KUKHARKOVA, L.L., starshiy nauchnyy sotrudnik; IL'YASHENKO, M.A., kand. veterin.nauk

Investigating the physicochemical and bacteriological changes is packaged meat. Trudy VNIIMP no.12:71-82 '62. (MIRA 18:2)

HOLOTINA, F.Ye.; GAMBAKYAN, Kh.P.; DENISOVA, G.A.; DUBROVINA, L.I.;
KOZHINA, I.S.; KYURKCHAN, V.N.; MAKAROVA, T.I.; PAVLOVA,
U.G.; REZVETSOV, O.A.; SHIRNOVA, V.V.; SURZHIN, S.N.,
kand. tekhn. nauk; TAMAMSHYAN, S.G.; TRUSOVA, S.A.;
FILOGRIYEVSKAYA, Z.D.; CHINENOVA, E.G.; SHISHKINA, N.N.;
IL'IN, M.M., zasl. deyatel' nauki RSFSR, doktor biol. nauk
prof., red.; PRITYKINA, L.A., red.; ZARSHCHIKOVA, L.N.,
tekhn. red.

[Spice and aromatic plants of the U.S.S.R. and their use in the food industry] Priano-aromaticheskie rasteniia SSSR i ikh ispol'zovanie v pishchevoi promyshlennosti. Moskva, Pishchepromizdat, 1963. 430 p. (MIRA 17:2)

SHISHKINA, N.N., kand. tekhn. nauk; KHOKHLOVA, Z.V.; ZBANDUTO, L.L.

Synthetic sausage casings. Trudy VNIIMP no.16:156-160 '64.

(MIRA 18:11)

1. Starshiye inzhenery Vsesoyuznogo nauchno-issledovatel'skogo

instituta myasnoy promyshlennosti (for Khokhlova, Zbanduto).

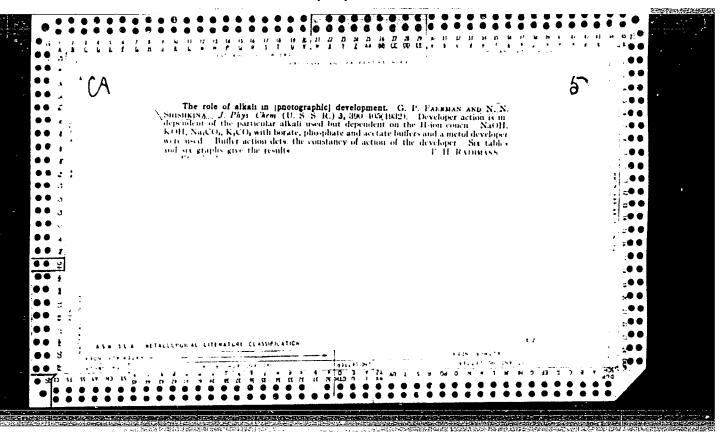
SHISHKINA, N.N., kand. tekhn. nauk; ZBANDUTO, L.L.

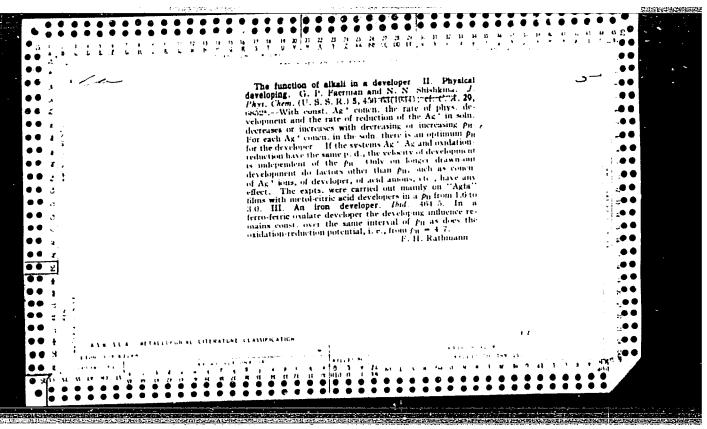
Production of frozen second course dishes in polymer films. Trudy VNIIMP nc.16:161-167 '64. (MIRA 18:11)

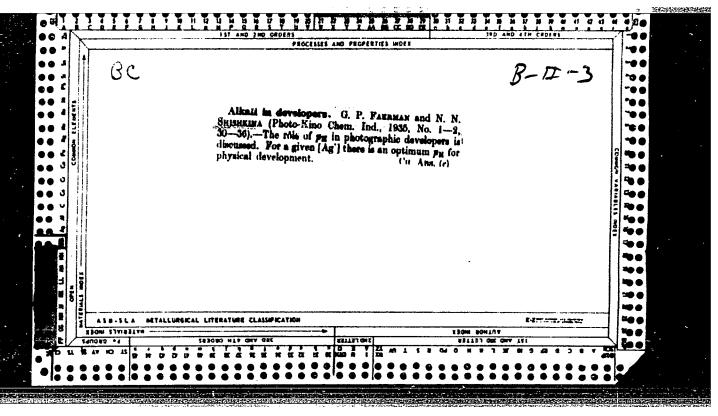
1. Starshiy inzhener Vsesoyuznogo nauchno-issledovatel'skogo instituta myasnoy promyshlennosti (for Zbanduto).

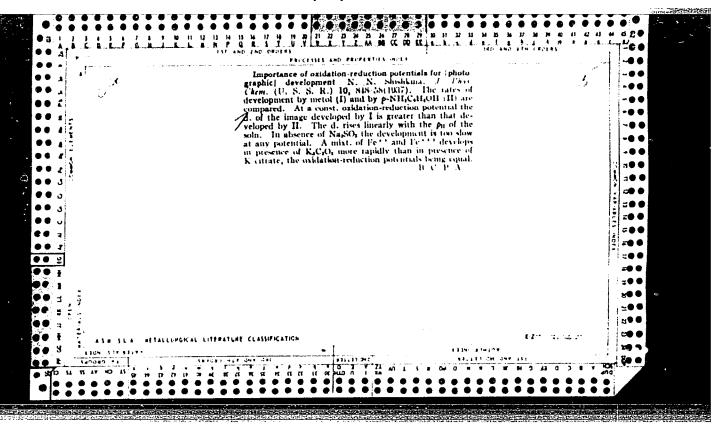
SHISHKINA, N.N., kand. tekhn. nauk; ZBANDUTO, L.L., inzh.; KHOKHLOVA, Z.V., inzh.; IL'YASHENKO, M.A., kand. veter. nauk

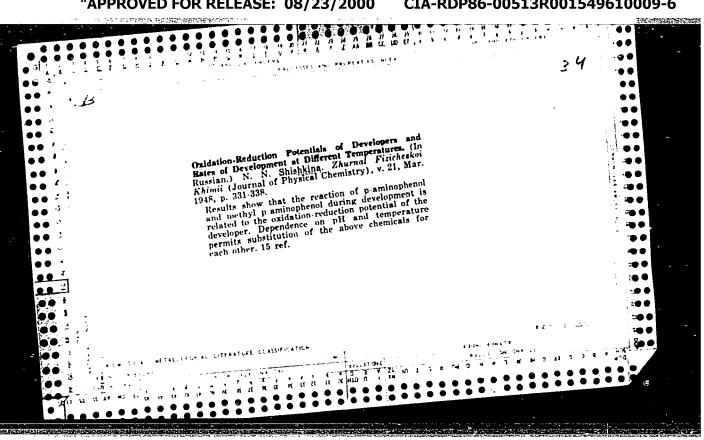
Studying the physicochemical and bacteriological changes in packaged ready-to-cook meat products. Trudy VNIIMP no.16:168-182 164. (MIRA 18:11)

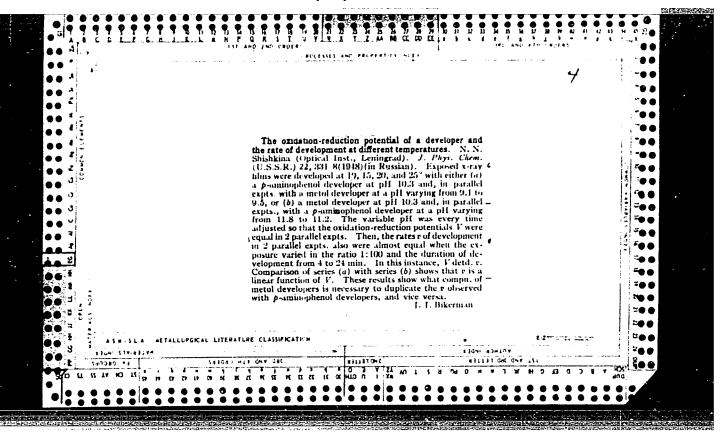


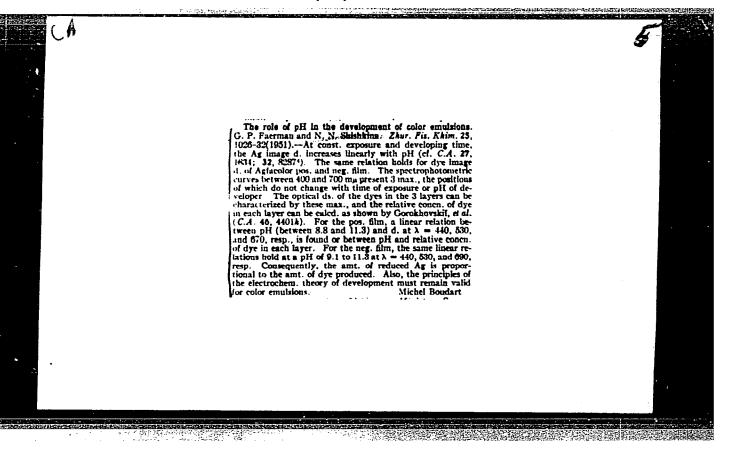


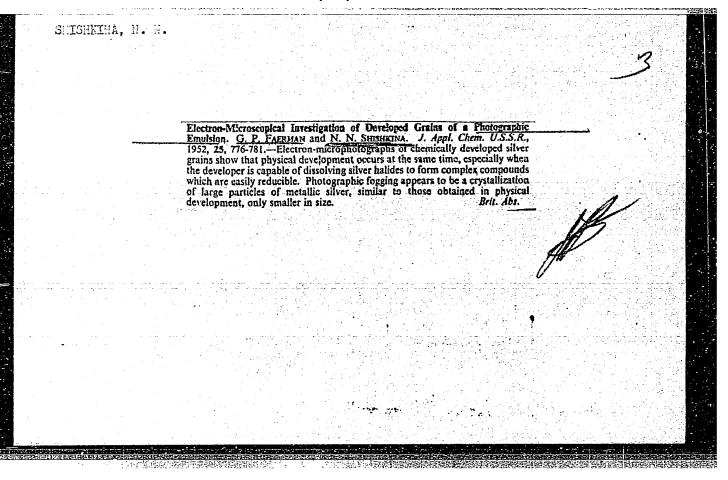








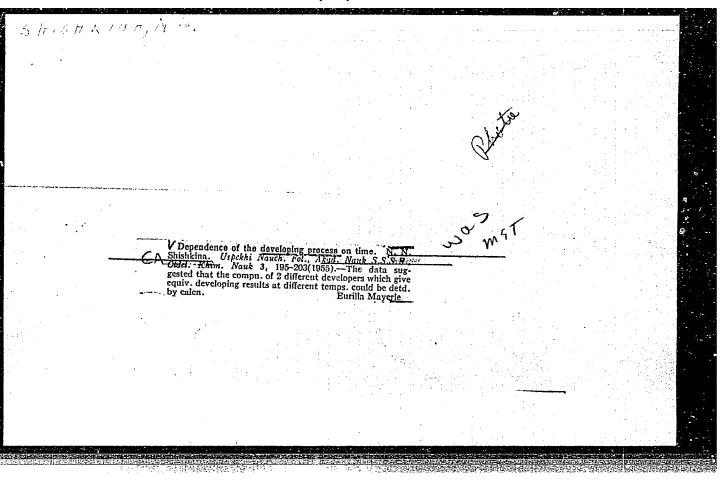




PAYERMAN, G.P.; SHISHKINA, N.N.

Role of alkali in color film development. Usp.nauch.fot. 2:63-71 '54.
(MIRA 7:5)

(Photographic chemistry) (Color photography--Developing and developers)



FAYERMAN, G.P.; SHISHKINA, N.N.

Study of the rate of reduction of silver ions with developers.

Usp.nauch.fot. no.4:164-176 '55. (MLRA 9:4)

(Photography-Developing and developers)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549610009-6"

CIA-RDP86-00513R001549610009-6 "APPROVED FOR RELEASE: 08/23/2000

s/075/60/015/004/011/030/XX B020/B064

Shishkina, N. N. AUTHOR:

Determination of Small Amounts of Silver in a Developed TITLE:

Photograph

Zhurnal analiticheskoy khimii, 1960, Vol. 15, No. 4, PERIODICAL:

pp. 431 - 436

TEXT: A quick and simple method of determining silver in the individual fields of the developed and fixed "sensitogram", obtained from an $\phi CP-4\%$ (FSR-4) sensitometer, is necessary for the study of several problems of the theory of the photographic process. By this method it must be possible to

determine approximately 1.10^{-5} g of metallic silver on an area of

approximately 0.4 cm² with an accuracy of at least 10%; the gelatin in the film is not allowed to exert a disturbing effect, and the time of analysis should not be more than a few hours. The photometric method with dimethyl amino benzylidene rhodanine as a reagent for the silver ion is best suited for this purpose. To measure the light absorption of silver rhodanine

Card 1/3

Determination of Small Amounts of Silver in a S/075/60/015/004/011/030/XX Developed Photograph 8020/B064

suspensions, a photoelectric differential colorimeter with selenium photo-

cells $(\Phi \ni \mathsf{K-M} \ (\mathtt{FEK-M}))$ was used. The absorption maximum of the suspensions was found at 470 - 480 mg, and the best light filter in this case was a blue filter of CC-8 (SS-8) glass. The optimum concentrations in the measuring solution were 0.095 N HNO₃ and 0.00075% rhodanine. The presence of gelatin has no disturbing effect on the rhodanine method. 0.004 PAg/ml was found to be the minimum. The error in silver determination varies from 1 to 6%. Measurements were made at silver concentrations of 0.15 - 1.8 γ /ml (Table 1). The reproducibility of determinations is shown by the agreement of the calibration curves (Fig. 1) obtained on several days, as well as by the errors of determination (Table 2) found in the parallel experiments, In addition, Table 2 gives the results of parallel determinations of silver at different points of the uniformly exposed layer, the mean error being 3 - 4%. Fig. 1 indicates that the Beer law holds in the concentration range of from 0.004 to 17 Ag/ml. Table 3 gives the values recommended for the amount of nitric acid, which have to be added to dissolve silver at different silver contents of the emulsion. Moreover, the final volumes of the solutions analyzed are given, in the different portions of which

Card 2/3

TEREKHOVA, R. K.; SHISHKINA, N. N.

Ouantitative determination of nitrates in alkaline solutions. Izv. vys. ucheb. zav.; khim. i khim. tekh. 5 no.5:848-850 (MIRA 16:1)

1. Saratovskiy gosudarstvennyy universitet i Saratovskiy zavod shchelochnykh akkumulyatorov.

(Nitrates) (Alkalies)

FAYERMAN, G.P.; SHISHKINA, N.N.

Effect of the developer's pH on the quantity of developed silver in a developed layer. Zhur.nauch.i prikl.fot.i kin. 7 no.1:26-29 Ja-F '62. (MIRA 15:3)

1. Gosudarstvennyy opticheskiy Institut imeni S.I. Vavilova. (Photography—Developing and developers)

SHISHKINA, N.N.

Effect of the difference of potentials and of the developing time on the changes occurring in the quantity of developed silver. Zhur. nauch.i prikl.fot.i kin. 7 no.1:61-62 Ja-F '62. (MIRA 15:3)

1. Gosudarstvennyy opticheskiy institut imeni S.I.Vavilova. (Photography-Developing and developers)

SHISHKINA, N.N.

Effect of the properties of the emulsion layer on developing results. Zhur.nauch.i prikl.fot.i kin. 7 ro.4:257-261 Jl-Ag '62. (MIRA 15:8)

1. Gosudarstvennyy opticheskiy institut imeni S.I.Vavilova.
(Photography—Developing and developers)
(Photographic emulsions)

SHIGHKINA, Nina Nikolayevna; NAZAROV, Arkadiy Stepanovich;
ARTSTOV, D.V., retsenzent; GUL', V.Ye., retsenzent;
D'YAKONOVA,, spets. red.; NOZDRINA, V.A., red.

[Use of polymeric films for the packaging of meat products] Primehenie polymernykh plenok dlia upakovki miasoproduktov. Moskva, Fishchevaia promyshlennost¹, 1965.
131 p. (MIRA 18:7)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610009-6

<u>L</u> 46145-66 EWT(m)/EWP(j)/I IJP(c) WW/RM AP6026738 (A SOURCE CODE: UR/0183/66/000/003/0042/0043 AUTHOR: Serkov, A. T.; Budnitskiy, G. A.; Chivilikhina, M. P.; Veretennikova, T. P.; Shishkina, N. P.; Kondrashova, I. A.; Muravleva, L. V.; Ordina, V. I. ORG: VNIIV TITLE: Improving the quality of viscose cord SOURCE: Khimicheskiye volokna, no. 3, 1966, 42-43 TOPIC TAGS: cellulose, synthetic material, cellulose plastic, synthetic fiber ABSTRACT: The details of a modified procedure for manufacturing high tensile strength viscose cords are described. In essence, the procedure consists of accelerated processes of coagulation, filtration, and cord forming. It also requires the use of high purity reagents: sulfuric acid (GOST 2184-59), and ethylene oxide- and aliphatic amine derivatives as modifiers. The modified procedure does not require any new machines, only a minor adjustment of the cord spinning procedure. It is claimed that the modified procedure is capable of yielding viscose cords with tensile strength by 50-60% greater than that manufactured elsewhere in the world. Orig. art. has: 2 figures. SUB CODE: SUBM DATE: 28Feb66/ ORIG REF: 004 UDC: 677.463

1. 24822_66 EWT(d)/EWT(m)/EWP(v)/EWP(j)/T/EWP(k)/EWP(h)/EWP(l)/ETC(m)-6 ACC NR: AP6006955 IJP(c) (N) WW/RM SOURCE CODE: UR/0381/65/000/006/0061/0068		
AUTHORS: Lange, Yu. V.; Filimonov, S. A.; Shishkina, N. V.; Pakhomov, V. V.; Veremeyenko, S. V.; Pyrkov, B. Ye.	dent gland ()) .	
ORG: none	_	
TITLE: UVFD-1 defectoscope for controlling multilayered structures and nonmetallic parts		
SOURCE: Defektoskopiya, no. 6, 1965, 61-68	المعالمة الم	
TOPIC TAGS: defectoscope, diagnostic instrument, electric device, electronic circuit / UVFD-1 defectoscope 10	en der	
ABSTRACT: The block diagram and detailed electric circuitry of a UVFD-1 defecto- scope are given. Referring to Fig. 1,		
Fig. 1. Block diagram of a UVFD-1 defectoscope.		
1 13 14 015 "	a l	ব্য
Card 1/2 UDC: 620,179,16		

0

L 24822-66

ACC NR:

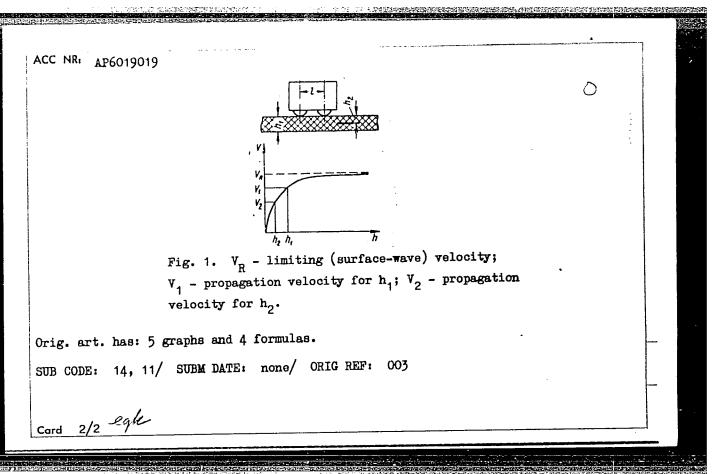
AP6006955

the defectoscope consists of: 1 - metallic base, 2 - nonmetallic film deposit, 3 - emitting oscillator, 4 - receiving oscillator, 5 - generator to feed power to the vibrator, 6 - amplifier, 7 - shaper, 8 - phase-measuring circuit, 9 - phase regulator, 10 - shaper, 11 - needle indicator, 12 - relay instrument, 13 - detector for automatic regulating of amplification, 14 - amplitude measuring device, and 15 - indicator. The instrument has four types of scanner heads that operate on a frequency range 25-60 kcycle. A sketch is included for one such scanner head connected to the instrument by a coaxial cable. The instrument weighs 11 kg and is portable. It is used in conjuction with automatic recorders and is very useful for controlling nonmetallic film deposits on metallic bases and for identifying defects between the joints of multilayer structures. Orig. art. has: 4 figures.

SUB CODE: 14, 09/ SUBM DATE: 16Jun65/ ORIG REF: 005

Card 2/2

The thirty of the transfer of	
ACC NR: AP6019019 (N) UR/0032/66/032/001/0034/003	В
AUTHORS: Lange, Yu. V.; Shishkina, N. V.	
ORG: none	
TITLE: A study of the performance characteristics of the ultrasonic velocimetric method of flaw detection	
SOURCE: Zavodskaya laboratoriya, v. 32, no. 1, 1966, 34-38	
TOPIC TAGS: ultrasonic flaw detector, laminated plastic, elastic wave, lamination, phase meter, performance test/ UVFD-1 ultrasonic flaw detector	
ABSTRACT: The results of experimental studies of the performance of the UVFD-1 velocimetric flaw detector are given. The probe head, which contains transmitting and receiving vibrators with a fixed distance ℓ between them, is placed on the surface of	
the article (see Fig. 1). The elastic flexural wave from the transmitting vibrator is propagated with velocity v, which is a function of the layer thickness. The propagation velocity in a flaw is lower than in a segment without a flaw. This changes the	3
phase of the wave. Laboratory tests were made with an MOOl galvanometer and an N-700 loop oscillograph. Tests were made with PT sheet textolite of 1360 x 740 x 10 mm. The velocimetric method can be used to detect laminations and fracture zones at a	
depth of up to 26 mm in laminated plastics and in structure; containing nonmetallic layers.	
Card 1/2 UDC: 620.179.16	



Split picking cam on a mechanical loom. Obm.tekh.opyt. [MIP] no.15:31-32 '56. (Looms)

The role of the humoral factor in the machanism of imminity against influenza. Arc. Biol. Sciences, Ed. 59:3, 1240, Abscow. Arca. f.d. es. Virusforschung, Ba. 2, 1241.

SHIS B. MA, J.I. and Shishbit the, A.A.

The role of phalocytic apparatus in the mechanism of immunity arianst influence. Arch. Piol. Sciences, Bd. 57:20, 1740, Moscow. Arch. f.d. gas. Virusforschun, 5d. 2, 1741.

<u>Gridatina, C. I.,</u> han a. a. shiriColarided	
"Second Communication: The Role of the Fahgocytal Apparatus of Actively Immunized Animals in the Cannol of Influenzal Infections," ZhMEI, 3, 20, 1945	
, , , , ,	

SHISKINA, O. I. SMORODINTSEV, A.A.; SHISKINA, O.I. Effect of tissue ferments on influenza virus. Trudy AMN SSSR 28: 5-14 53. 1. Iz otdela virusologii Instituta eksperimental'noy meditsiny AMN SSSR. (INFLUENZA VIRUSES, effect of drugs on, protelytic enzymes) (PROTEASES, effects, on influenza viruses)

SHISHKIMA, O.I.; YURIKAS, I.A.

Comparative evaluation of methods of laboratory diagnosis of influenza
B. Trudy AMN SSSR 28:122-138 '53. (MIRA 7:8)

1. Iz Otdela virusologii Instituta eksperimental'noy meditsiny AMN SSSR.

(INFLUENZA, diagnosis,
laboratory technics in influenza B, comparison)

SHISHKINA, O. V.

Procedure for the Determination of Sulfate Ions in Sea Water Tr. In-ta okeanol. AN SSSR, 8, 1954, pp 253-268

The work is devoted to a study of a gravimetric method of determining SO", in sea water. The author clarifies the influence of rate of influx of BaCl₂ upon the accuracy of the analysis. He finds the absolute magnitudes of the errors in the determination of SO", by various variants of the gravimetric method. He gives a precise procedure for the determination of SO", in sea water with maximum accuracy. (RZhGeol, no 3, 1955)

SO: Sum. No. 639,2 Sep 55

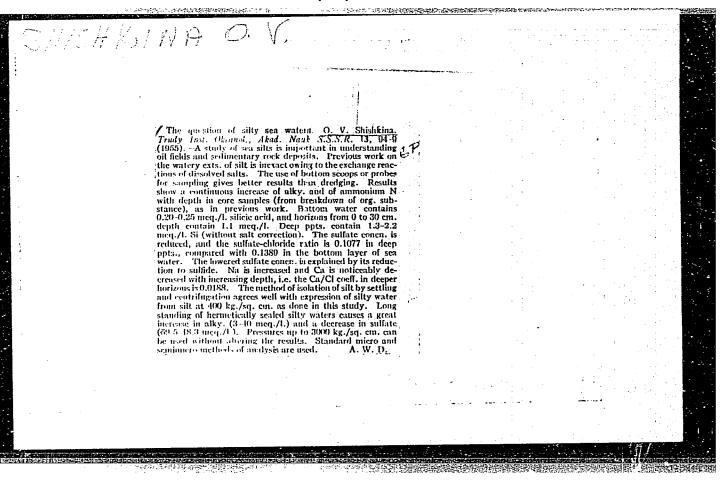
oHlonikika, U. ..

"On the Saline Content of Silt Waters of Sea Desiments." Acad Sci USSA, Inst of Geochemistry and Analytic Chemistry imeni 7. 1. Vernadskiy, Moscow, 1955. (Dissertation for the Degree of Canadate of Chemical Sciences.)

30: N-)72, 20 Feb 50

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610009-6

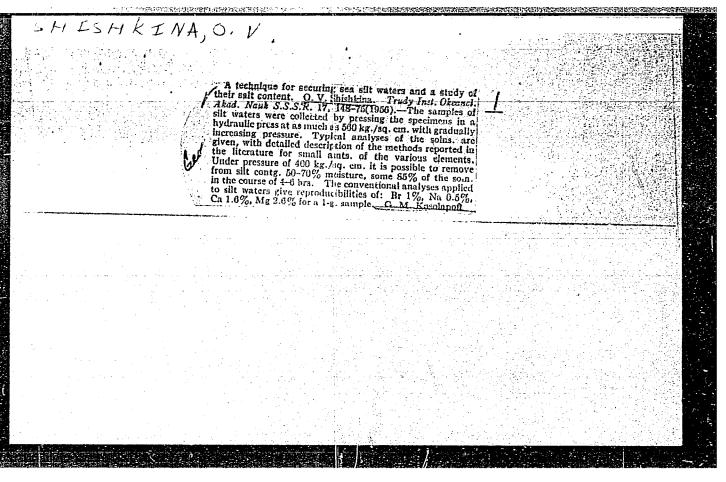


SHISHKINA, O.V.

Salt centent of water fermed in ecean-bettem sediments. Dekl.AN SSSR 105 ne.6:1289-1292 D '55. (MLRA 9:4)

1.Institut ekeanelegii Akademii nauk SSSR. Predstavlene akademikem A.P.Vinegradevym.

(Ocean bettem)



SHISHKINA, O.V.

Sediment-containing vaters of the Pacific and the adjoining seas. Dokl. AN SSSR 112 no.3:470-473 Ja '57. (MLRA 10:4)

1. Institut okeanologii Akademii nauk SSSR. Predstavleno akademikom A.P. Vinogradovym.

(Pacific Ocean--Sedimentation and deposition)

20-2-27/50

AUTHOR:

Shishkina, O. V.

alaan kaa*m*n, vat.

TITLE:

Chloride-Sodium-Calcium Waters in the Quaternary Deposits of the Black Sea (Khloridno-natriy-kal'tsiyevyye vody v chetvertichnykh otlozheniyakh Chernogo morya)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 116, Nr 2, pp. 259 - 262 (USSR)

ABSTRACT:

One of the problems set to the expedition of the Institute (see under "A" below) was the procurement and investigation of the water from long monoliths of deposits which were obtained in various depths by means of a plunger case, system Kudinov, by the expeditionary ship "Akademik Vavilov". Layers of deposits were separated out of these columns and the water pressed off them under a pressure of 400 kg/cm². By chemical analysis it was found that beside a decreasing mineralization with increasing depth, a modification of concentration of other chief components in the amount of salt of thewater also takes place, so that a water develops which differs from the marine one. Beside sulfate-free water, chloride-sodium-calcium waters were found in the Black Sea deposits. The gradual replacement of the waters of the marine type (chloride-sodium-magnesium type) by the above-mentioned ones, could be traced

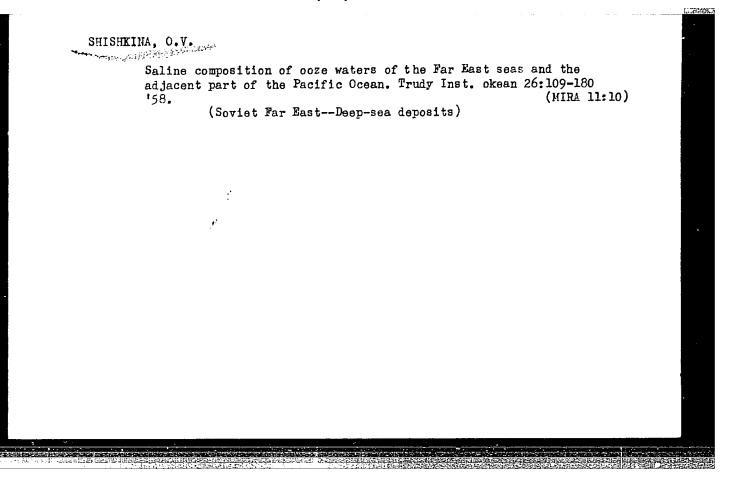
Card 1/3

20-2-27/50

Chloride-Sodium-Calcium Waters in the Quaternary Deposits of the Black Sea

in a number of columns from smaller depths as well as from the central part of the sea. A column taken from 215 m depth on the Yalta traverse is described as example of the composition of such columns. Table 1 shows that all modifications of the salt content take place on the background of the decrease in the concentration of chlorine and in the entire mineralization. The reduction process of sulfates leads to their rapid decrease with increasing depth. It is characterisite that an increase in the alkaline reserve is absent. The pH value in the upper layer is 7,4, then it increases to 8 and remains unchanged to the end of the column. The bromine content slightly increases with increasing depth. The content of sodium and magnesium decreases with increasing depth, the content of potassium decreases still more. The ammonium content, however, strongly increases with increasing depth. The calcium comment especially increases with increasing depth. The modification of concentration of Ca and Na are apparently connected with the exchange processes between the liquid and the solid phases. The exchange processes are supposedly favored by the inflow of larger amounts of clayey material into the Black Sea which contains Ca in the absorbing complex. The formation of chloride-sodium-calcium water in the deposits indicates a completely different mechanism of interaction between the liquid and the solid phases in

Card 2/3



SHISHKIMA, O.V.

Chemical composition of interstitial waters in the Pacific Ocean. Trudy Inst.Okean. 33:146-164 '59. (MIRA 13:4)

(Pacific Ocean--Water--Composition) (Deep-sea deposits)

SHISHKINA, O.V.

Sulfates in interstitial waters of the Black Sea. Trudy Inst.
Okean. 33:178-193 '59. (MIRA 13:4)
(Black Sea--Water--Composition) (Sulfates)

(Deep-sea deposits)

CIA-RDP86-00513R001549610009-6 "APPROVED FOR RELEASE: 08/23/2000

3(9) AUTHORS:

Bruyevich, S. V., Shishkina, O. V.

SOV/20-127-3-56/71

TITLE:

On the Palaeohydrology of the Black Sea During Late Quaternary

PERIOLICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 3,

pp 673 - 676 (USSR)

ABSTRACT:

After a short survey of publications on the investigation of the hydrology of the Black Sea basin (Refs 1,2) the authors mention a non-palaeontological method for the hydrological characterization of the geological past which was used on the expedition ship of the institute mentioned in the Association (first author) in April 1949. This method is a direct determination of the chlorine content (salt content) of the squeezedout base solutions with which the sediments to be investigated are saturated (Ref 4). Thus a considerable decrease of the salt content in the buried waters of the Novo-Evksinskiy (New Euxinian) Basin (up to 4%o chlorine, $7.25^{\circ}/\infty$ salt content) as compared with the recent waters near the ground (12.2-12.4%) chlorine content) could be found. This confirms completely the assumption of N.I. Andrusov, A. D. Arkhangel'skiy and N. M.

Card 1/3

Strakhov that the Black Sea was subjected to a considerable de-

On the Palaeohydrology of the Black Sea During Late SOV/20-127-3-56/71

salification during the New-Euxinian phase of its development. This was confirmed by the second author (Ref 7) in 1956. Table 1 and figure 1 show that in the mass of monoliths the chlorine content of the buried waters increases linearly or almost linearly in upward direction. This indicates very even uninterrupted salification of the Black Sea which is still continued. This conclusion is based upon objective material and agrees with reference 6 according to which the complex of New-Euxinian brackish organisms is displaced by marine mediterranean varieties. Thanks to the linear character of the change of the chlorine content the problem of diffusion can be solved. The distribution of the chlorine content along the length of the monolith is determined by the actual change of chlorine content in water. A gravitational mixing of the solutions is possible only in the uppermost sediment strata with a high water content. The salification of the Black Sea may be related to increasing dryness of the climate, rising surface of the ocean in connection with the end of the last glacial phase, sporadic regression of the glaciers during the post-glacial period, and finally to the probable depression of the continent around the straits of the Black Sea by erosion near the ground or the depression of the entire

Card 2/3

On the Palaeohydrology of the Black Sea During Late SOV/20-127-3-56/71 Quaternary

region of the Black Sea. The author concludes that the everincreasing water exchange with the Mediterranean and not the
change of climate is the decisive factor of salification.
This theory does not exclude cyclic climatic fluctuations; but
the water exchange dominates over the climatic factor. Salification takes place at a rate of N 0.20 - 0.25% of chlorine
content per 1000 years, to give a rough approximation. There
are 1 figure, 1 table, and 12 references, 9 of which are Soviet.

ASSOCIATION: Institut okeanologii Akademii nauk SSSR (Institute of Oceanogarphy of the Academy of Sciences, USSR)

PRESENTED: March 13, 1959, by S. I. Mironov, Academician

SUBMITTED: March 10, 1959

Card 3/3

5 (0)

AUTHORS:

Krasintseva, V. V., Shishkina, O. V. SOV/20-128-4-50/65

TITLE:

The Problem of Boron Distribution in Marine Deposits

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 4, pp 815 - 817

(USSR)

ABSTRACT:

The ocean is one of the two main sources of boron and boron deposits in the zone of hypergenesis. The seawater contains considerable boron quantities (4.6·10-4%). The concentration of boron in the open part of most of the seas and of the ocean is proportional to that of chlorine and the ratio boron; chlorine is constant = 2.39·10⁻⁴% (Ref 3). The boron content in clayey marine deposits is 10-100 times higher than in the water. According to Gol'dshmidt (Ref 4) the boron content in the grey mud is equal to 3·10⁻³%, in the brown one it amounts to 1.5·10⁻²%.

Mrs. S. G. Tseytlin found 4.36·10⁻⁷% boron in the mud water of

Mrs. S. G. Tseytlin found 4.36·10⁻⁷% boron in the mud water of the Caspian Sea. The problem of the distribution of boron between the liquid and solid phase of the deposit is not yet solved. The authors investigated this problem in the Black Sea and in the Pacific. The recent deposits of the Black Sea

Card 1/3

The Problem of Boron Distribution in Marine Deposits SOV/20-128-4-50/65

(Table 1) have mostly a high boron content. It decreases somewhat with increasing depth. The high boron content is here possibly connected with a relatively high content of organic substance. This substance is especially high in samples rich in boron. A rapid decrease of the boron content in mud waters of the chloride-sodium-calcium type is possibly connected with a molecular sorption of calcium borates difficult to solve which increase by approximately the 3-fold with the increase of the concentration of the calcium ions (Ref 9). The main mass of chlorine carries with it an only small part of the boron with the solidification of the muds and the precipitation of the mud water from the latter. The major part of the boron remains in the sedimentary rocks and may partly pass over into the solution in the leaching of the rocks. Accordingly, the ratio B/Cl in the seam water is bound to be lower than that in seawater of chloride-sodium-calcium type and somewhat higher in the water of chloride-alkaline type. In underground waters developing in the leaching of sedimentary rocks of marine origin B/Cl may rise by the 10-100-fold. Table 1 shows pertinent data referred to the Pacific. Red clays are relatively richer in boron than calcareous clays and grey clays. This is probably caused by the manganese

Card 2/3

The Problem of Boron Distribution in Marine Deposits SOV/20-128-4-50/65

concretions which contain boron in considerable quantity. Up to 20% of the total boron pass over into the solution in the leaching of these clays. The highest content of total boron was found in the diatom muds. The content of organic substance is here the highest, too. According to A. P. Vinogradov (Ref 10) the marine plant organisms are richer in boron than the animal organisms. On the other hand, the mud water of the diatom deposits is poor in boron. The Globigerina mud contains the smallest total boron quantity of all deposits of the Pacific. Professor S. V. Bruyevich assisted with valuable advice. There are 1 table and 11 references, 7 of which are Soviet.

ASSOCIATION: Institut okeanologii Akademii nauk SSSR (Institute of Oceanog-

raphy of the Academy of Sciences, USSR)

PRESENTED: April 24, 1959, by A. A. Grigor'yev, Academician

SUBMITTED: April 24, 1959

Card 3/3

SHISHXINA, O.

Meeting of oceanographers. IUn.tekh. 4 no.7:52-55 J1 '60.
(MIRA 13:9)

(Oceanography--Congresses)

CIA-RDP86-00513R001549610009-6 "APPROVED FOR RELEASE: 08/23/2000

S/169/62/000/010/053/071 D228/D307

.WTRUR:

Shishkina, 0.V.

MITTIE:

Water types formed in marine sediments during

diagenesis

PERICUICAL:

Referativnyy shurnal, Geofisika, no. 10, 1962, 7, abstract 10V59 (In collection: Sovrem. osadki morey

i okeanov, M., AN SUSR, 1961, 549-559)

A classification is suggested for the muddy waters (ground solutions) of marine sediments. The first, marine type T.DT: covers waters in which the correlations between the chief chemical components are close to those in ocean water. In this type 2 forms of water are distinguishable according to the nature of the change of their alkali reserve; in comparison with benthonic water one has an elevated, and the other has a reduced, concentration of the latter. A characteristic feature of sediments with the marine type of muddy water is their low organic-matter content. The second, chloride-alkali type and the third, chloride-sodiocalcic type of

Card 1/2

Water types formed ...

\$/169/62/000/010/053/071 D228/D307

muddy sediment waters are profoundly metamorphozed during the diagenesis of marine sediments by even sea-water. The author dwells in detail on the processes of metamorphization of sea-water into muddy water of the second and third types and shows the fallibility of opinions, relating their origin to other processes.

[Abstracter's note: Complete translation]

Card 2/2

SHISHKINA, O.V.

Some data on the salt romposition of silt waters in the Sea of Azov. Okeanologiia 1 no.4:646-650 °61. (MIRA 14:11)

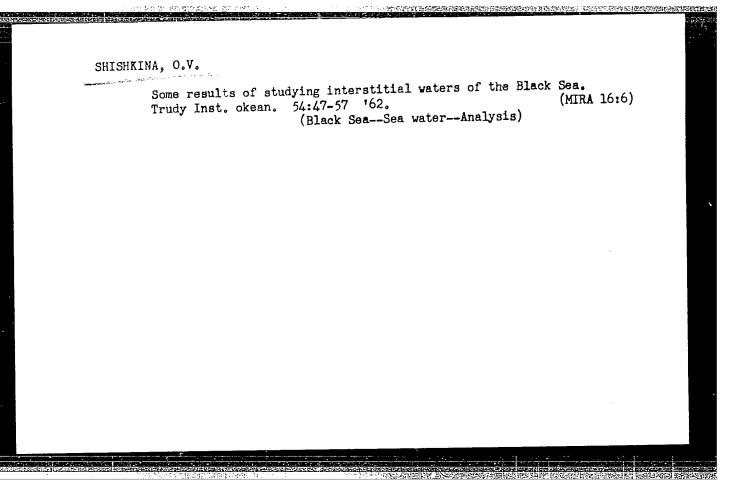
SHISHKINA, O.V.

Oxidation-reduction potential of the upper ten-meter stratum of Quaternary deposits of the Black Sea. Dokl. AN SSSR 139 no.5:1218-1220 Ag / 161. (MIRA 14:8)

1. Fredstavleno akademikom N.M. Strakhovym.
(Black Sea--Sediments (Geology))
(Oxidation-reduction reaction)

SHISHKINA, O.V.; BYKOVA, V.S.

Chemical cc.position of interstitial waters in the Atlantic Ocean.
Trudy MGI 25:187-194 '62.
(Atlantic Ocean-Sea water-Composition)



SHISHKINA, O.V.; ZHELEZNOVA, A.A.

Chlorinity of the interstitial water in the northern part of the Indian Ocean. Trudy Inst. okean. 64:1/4-153 464.

Oxidation-reduction potential and the pH of sediments in the northern part of the Indian Ocean. Ibid.:236-249 (MIRA 17:7)

PAVLOVA, G.A.; SHISHKINA, O.V.

Method of determining icdine in interstitial waters. Trudy Inst. okean.
67:165-176 '64.

(MIRA 17:12)

Official composition of oceanic silty waters. Geokhimiia no.6:564-572 Je 164. (MIRA 18:7)

1. Institut okeanologii AN SSSE, Moskva.

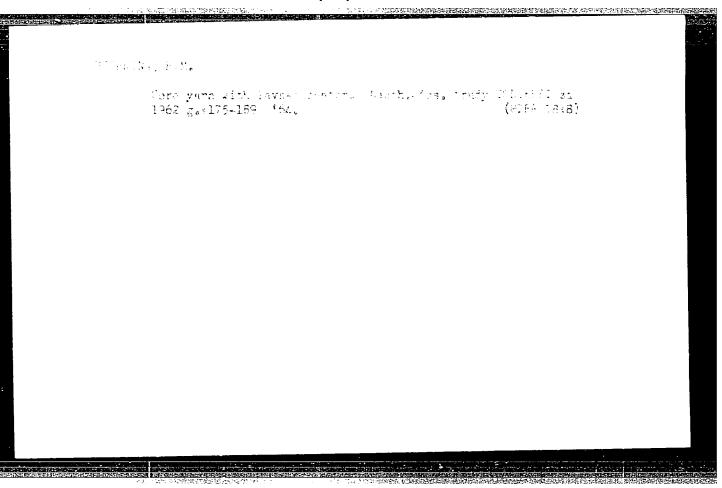
SHISHKINA, O.V.; PAVLOVA, G.A.

Distribution of iodine in marine and oceanic silts and silt waters. Geokhimia no.6:739-746 Je '65. (MIRA 18:7)

1. Institut of Oceanology, Academy of Sciences, U.S.S.R., Moscow.

KORITSKIY, K.I.; Prinimali uchastiye: SHISHKINA, R.M., ispolnyayushchaya obyazannosti starshego nauchnogo sotrudnika; YAGUBOVA, Yu.G.;
MARININA, Yu.S., mladshiy nauchnyy sotrudnik

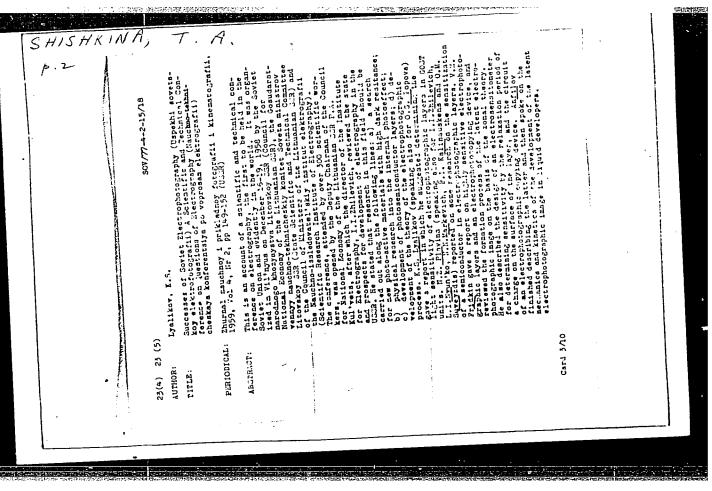
Core yarn, its structure and properties. Nauch.-issl.trudy
TSNIIKHBI '60 [publ. '62]:25-55 (MIRA 18:2)

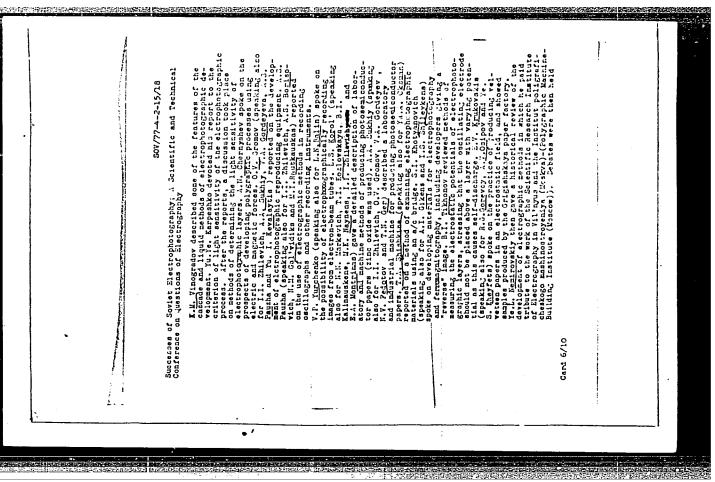


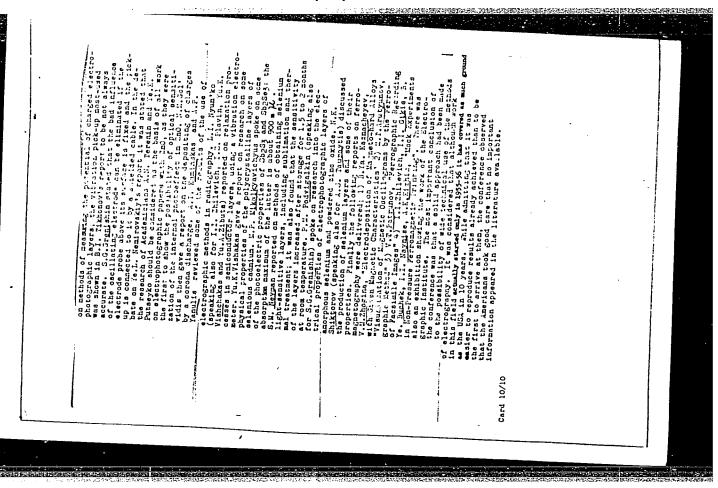
ZAGRANICHNYY, V.I.; POLYAKOVA, Z.A.; Prinimali uchastiye: MAZUROVA, G.Ye.; SHISHKINA, S.S.

Solubility in water of melamine and some of its derivatives.

Khim.prom. no.9:692-694 S '63. (MIRA 16:12)







VORONKOVA, N.M.; MELESHKO, K.Ye.; SEMENCHENKO, I.V.; SNYTKIN, A.V.; SHISHKINA, T.A.

Use of the spectrovisor in studying the spectral brightness of landscape elements. Geod. i kart. no. 12:20-25 D '60.

(Spectrophotometry) (Aerial photogrammetry)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549610009-6"